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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT:** Alex Nugent                      **EXAMINER:** Michael J. Caldwell  
**SERIAL NO.:** 10/748,546                      **GROUP:** 2129  
**FILED:** 12/30/2003                      **ATTY DKT NO.:** 1000-1215  
**TITLE:** PHYSICAL NEURAL NETWORK LIQUID STATE MACHINE  
**UTILIZING NANOTECHNOLOGY**

**CERTIFICATE OF TRANSMISSION BY FACSIMILE**

**Please forward all correspondence to:**  
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*I hereby certify that this correspondence is  
being transmitted to the Commissioner for  
Patents, P.O. Box 1450, Alexandria, VA  
22313-1450 by facsimile transmission  
to the following fax number **(571) 273-8300**  
on June 13, 2006.*



Kermit Lopez

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION**  
**UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to the Office Action dated April 24, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 6 of this Paper.

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